



ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE: April 27, 1983
TO: File/USEPA Region V
FROM: Glenn Cekus
SUBJECT: Preliminary Assessment
Ohio/TDD#R5-8212-5A (PAG# 297)
Elyria/Chemical Recovery Systems
OHD057001810

review

Attached is EPA's Preliminary Assessment Form 2070-12 for the above referenced site.

Primary information was gathered from the following source(s):

1. U. S. Environmental Protection Agency Erris files, Region V - Chicago
2. Ecology and Environment, Inc. - FIT files, Chicago
3. Gregg Kulma - USEPA (OSC) Region V, Chicago

Information indicates the following responsible parties should be listed. They are listed here because of space limitations:

1. Borden Chemical - 6725 Gilean, Whitehouse, OH 43521
- 2.
- 3.

Presently, data gaps or no verification exists in the following key area(s):

1. Waste quantities
2. Any remaining fire or explosive hazards
- 3.

A review of the available data indicates that additional information will be necessary to assess the impact(s) on:

- 1.
- 2.
- 3.
- 4.
- 5.

Suggested methods/sources for obtaining additional information are:

1. None - until consent decree negotiations are complete
- 2.
- 3.

Notice of an apparent need for emergency action was transmitted to _____ on _____
by _____.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D057001810

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) CHEMICAL RECOVERY SYSTEMS		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 146 LOCUST ST.	
03 CITY ELYRIA	04 STATE OH	05 ZIP CODE 44035	06 COUNTY LORAIN
07 COUNTY CODE 093		08 CONG DIST 13	
09 COORDINATES LATITUDE 41°22'15.0"		LONGITUDE 082°06'13.1"	
10 DIRECTIONS TO SITE (Starting from nearest public road) I 90 TO STATE ROUTE 57 (LORAIN BLVD.) RT 57 SOUTH TO BROAD ST. EAST ON BROAD ST TO EAST AVE. NORTH ON EAST AVE. TO LOCUST. EAST ON LOCUST TO SITE.			

III. RESPONSIBLE PARTIES

01 OWNER (If known) JAMES C. FREEMAN		02 STREET (Business, mailing, residential) 146 LOCUST ST.	
03 CITY ELYRIA	04 STATE OH	05 ZIP CODE 44035	06 TELEPHONE NUMBER (216) 323-3275
07 OPERATOR (If known and different from owner) SAME AS ABOVE		08 STREET (Business, mailing, residential)	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ()
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply) <input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: 8/12/80 MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 6/9/81 MONTH DAY YEAR <input type="checkbox"/> C. NONE			

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 8/8/82 MONTH DAY YEAR <input type="checkbox"/> NO 4-24-80		BY (Check all that apply) <input checked="" type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____	
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION BEGINNING YEAR 1975 ENDING YEAR 1976 <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED SOLVENTS (TOXIC/VOLATILE/IGNITABLE) ORGANICS (TOXIC/PERSISTANT) INORGANICS (TOXIC/PERSISTANT) HEAVY METALS (TOXIC/PERSISTANT)			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION GROUNDWATER (ENVIRONMENT) SURFACE WATER (ENVIRONMENT/POPULATION) AIR (POPULATION), FIRE/EXPLOSIVE (POPULATION), SOIL (ENVIRONMENT) FLORA (ENVIRONMENT), FAUNA (ENVIRONMENT), FOOD CHAIN (ENVIRONMENT/POPULATION).			

V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents) <input type="checkbox"/> A. HIGH (Inspection required promptly) <input type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
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VI. INFORMATION AVAILABLE FROM

01 CONTACT GREGG KULMA		02 OF (Agency/Organization) USEPA REGION V CHGO ILL.		03 TELEPHONE NUMBER (312) PH. 6941	
04 PERSON RESPONSIBLE FOR ASSESSMENT		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ()	08 DATE ____/____/____ MONTH DAY YEAR



☒ I. HIGHLY VOLATILE
☐ J. EXPLOSIVE
☐ K. REACTIVE
☐ L. INCOMPATIBLE
☐ M. NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D057001810

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION 02 ☒ OBSERVED (DATE: 4-26-82) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

RESULTS OF HYDROGEOLOGIC SURVEY CONDUCTED BY ECOLOGY AND ENVIRONMENT INC INDICATE CONTAMINATION OF GROUNDWATER AS FOLLOWS:
METHYLENE CHLORIDE 6500 TO 71,000 PPB, 1,1,1 TCE 2200 TO 12,000 PPB,
TOLUENE 3000 TO 100,000 PPB ETHYLENE BENZENE ND TO 14,000 PPB

01 ☒ B. SURFACE WATER CONTAMINATION 02 ☒ OBSERVED (DATE: 4-26-82) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

THE SURVEY MENTIONED IN #1 ABOVE INDICATES THE FOLLOWING SURFACE WATER CONTAMINATION: METHYLENE CHLORIDE - 12 TO 8500 PPB, 1,1,1 TCE - ND TO 320 PPB, TCE - ND TO 1000 PPB, MAGNESIUM 18,000 TO 19,000 PPB, CALCIUM 86000 PPB, COPPER 40 PPB.

01 ☒ C. CONTAMINATION OF AIR 02 ☒ OBSERVED (DATE: 1979-1980) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

SITE INSPECTIONS ON APRIL 23 AND 24 1980 INDICATED AIR CONTAMINATION FROM DISTILLATION UNIT (WHICH HAS SINCE BEEN DISMANTLED). THIS INSPECTION TOOK PLACE BEFORE DRUM REMOVAL

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS 02 ☒ OBSERVED (DATE: 1979) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

IN 1979 THE LOCAL FIRE MARSHAL INDICATED FACILITY DID NOT COMPLY WITH LOCAL FIRE CODES. THE SURVEY NOTED IN #3 ABOVE DID NOT RECORD ANY EXPLOSIVE READINGS ON EXPLOSIVITY METER.

01 ☐ E. DIRECT CONTACT 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☒ F. CONTAMINATION OF SOIL 02 ☒ OBSERVED (DATE: 4-24-80) ☒ POTENTIAL ☐ ALLEGED
03 AREA POTENTIALLY AFFECTED: N3 (Acres) 04 NARRATIVE DESCRIPTION

CONTAMINATED LEACHATE FROM DRUMS (NOW REMOVED), MAY BE A PROBLEM. REMOVAL OF CONTAMINATED SOILS IS NOW BEING NEGOTIATED

01 ☒ G. DRINKING WATER CONTAMINATION 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

DRINKING WATER SOURCE FOR ELYRIA AND LORAIN OHIO IS LAKE ERIE (216)-244-4310 (WATER DISTRICT #).

01 ☐ H. WORKER EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:) ☐ POTENTIAL ☐ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: 04 NARRATIVE DESCRIPTION

01 ☒ I. POPULATION EXPOSURE/INJURY 02 ☐ OBSERVED (DATE:) ☒ POTENTIAL ☐ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: >10,000 04 NARRATIVE DESCRIPTION

POSSIBILITY MAY EXIST THROUGH SURFACE WATER CONTACT.



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER
OH D057001810

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

"SEE FOOD CHAIN L."

01 ☒ K. DAMAGE TO FAUNA

04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

"SEE FOOD CHAIN L."

01 ☒ L. CONTAMINATION OF FOOD CHAIN

04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE: _____)

☒ POTENTIAL

☐ ALLEGED

AQUATIC AND TERRESTRIAL ECOSYSTEM OF NEARBY BLACK RIVER
MIGHT BE EFFECTED.

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES

(Spills/runoff/standing liquids/leaking drums)

03 POPULATION POTENTIALLY AFFECTED: >10,000

02 ☒ OBSERVED (DATE: 4-29-80)

☐ POTENTIAL

☒ ALLEGED

04 NARRATIVE DESCRIPTION

NOTED IN REGARD TO THE NOW REMOVED DRUMS.
PAST SPILLS AND RUNOFF TO BLACK RIVER.

01 ☐ N. DAMAGE TO OFFSITE PROPERTY

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING

04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

ACCORDING TO THE OSC GREGG KULMA, NO PLANS ARE
BEING MADE TO CLEAN UP GROUND OR SURFACE WATER.

III. TOTAL POPULATION POTENTIALLY AFFECTED: >10,000

IV. COMMENTS

3200 DRUMS WERE REMOVED FROM SITE BY THIS
NOW BANKRUPT COMPANY. A CONSENT DECREE IN REGARD
TO CONTAMINATED SOIL REMOVAL IS IN THE NEGOTIATION
PROCESS. THE OLD DISTILLATION EQUIPMENT HAS BEEN REMOVED.

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

USEPA REGION V ERRIS FILES CHICAGO IL
USEPA OSC GREGG KULMA REGION II CHICAGO IL
ECOLOGY AND ENVIRONMENT FIT FILES CHICAGO IL